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Instruction manual

Double Insulated Plunge Router



MODEL 8529

To learn more about Porter-Cable
visit our website at:

<http://www.porter-cable.com>

PORTER-CABLE
PROFESSIONAL POWER TOOLS

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IMPORTANT

Please make certain that the person who is to use this equipment carefully reads and understands these instructions before starting operations.

The Model and Serial No. plate is located on the main housing of the tool. Record these numbers in the spaces below and retain for future reference.

Model No. _____

Type _____

Serial No. _____

Part No. 906874 - 09-26-02

⚠ WARNING **SOME DUST CREATED BY POWER SANDING, SAWING, GRINDING, DRILLING, AND OTHER CONSTRUCTION ACTIVITIES** contains chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- lead from lead-based paints,
- crystalline silica from bricks and cement and other masonry products, and
- arsenic and chromium from chemically-treated lumber.

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

GENERAL SAFETY RULES


⚠ WARNING **READ AND UNDERSTAND ALL INSTRUCTIONS.** Failure to follow all instructions listed below, may result in electric shock, fire and/or serious personal injury.

SAVE THESE INSTRUCTIONS.

WORK AREA

1. **Keep your work area clean and well lit.** Cluttered benches and dark areas invite accidents.
2. **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.** Power tools create sparks which may ignite the dust or fumes.
3. **Keep bystanders, children, and visitors away while operating a power tool.** Distractions can cause you to lose control.

ELECTRICAL SAFETY

1. **Double insulated tools are equipped with a polarized plug (one blade is wider than the other). This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install a polarized outlet. Do not change the plug in any way.** Double Insulation  eliminates the need for the three wire grounded power cord and grounded power supply system.
2. **Avoid body contact with grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is grounded.
3. **Don't expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
4. **Do not abuse the cord. Never use the cord to carry the tools or pull the plug from an outlet. Keep cord away from heat, oil, sharp edges or moving parts. Replace damaged cords immediately.** Damaged cords increase the risk of electric shock.
5. **When operating a power tool outside, use an outdoor extension cord marked "W-A" or "W".** These cords are rated for outdoor use and reduce the risk of electric shock.

PERSONAL SAFETY

1. **Stay alert, watch what you are doing, and use common sense when operating a power tool. Do not use tool while tired or under the influence of drugs, alcohol, or medication.** A moment of inattention while operating power tools may result in serious personal injury.

2. Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing, and gloves away from moving parts. Loose clothes, jewelry, or long hair can be caught in moving parts.

3. Avoid accidental starting. Be sure switch is OFF before plugging in. Carrying tools with your finger on the switch or plugging in tools that have the switch ON invites accidents.

4. Remove adjusting keys or wrenches before turning the tool ON. A wrench or a key that is left attached to a rotating part of the tool may result in personal injury.

5. Do not overreach. Keep proper footing and balance at all times. Proper footing and balance enables better control of the tool in unexpected situations.

6. Use safety equipment. Always wear eye protection. Dust mask, non-skid safety shoes, hard hat, or hearing protection must be used for appropriate conditions.

TOOLS USE AND CARE

1. Use clamps or other practical way to secure and support the workpiece to a stable platform. Holding the work by hand or against your body is unstable and may lead to loss of control.

2. Do not force tool. Use the correct tool for your application. The correct tool will do the job better and safer at the rate for which it is designed.

3. Do not use tool if switch does not turn it ON or OFF. Any tool that cannot be controlled with the switch is dangerous and must be repaired.

4. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing the tool. Such preventive safety measures reduce the risk of starting the tool accidentally.

5. Store idle tools out of reach of children and other untrained persons. Tools are dangerous in the hands of untrained users.

6. Maintain tools with care. Keep cutting tools sharp and clean. Properly maintained tools, with sharp cutting edges are less likely to bind and are easier to control.

7. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tool's operation. If damaged, have the tool serviced before using. Many accidents are caused by poorly maintained tools.

8. Use only accessories that are recommended by the manufacturer for your model. Accessories that may be suitable for one tool may become hazardous when used on another tool.

SERVICE









1. Tool service must be performed only by qualified repair personnel. Service or maintenance performed by unqualified personnel could result in a risk of injury.

2. When servicing a tool, use only identical replacement parts. Follow instructions in the Maintenance Section of this manual. Use of unauthorized parts or failure to follow Maintenance Instructions may create a risk of electric shock or injury.

SPECIFIC SAFETY RULES AND SYMBOLS

1. **Hold tool by insulated gripping surfaces when performing an operation where the cutting tools may contact hidden wiring or its own cord.** Contact with a "live" wire will make exposed metal parts of the tool "live" and shock the operator.
2. **DISCONNECT TOOL FROM POWER SOURCE** before making adjustments or changing bits.
3. **TIGHTEN COLLET NUT** securely to prevent the bit from slipping.
4. **USE A CLAMP** or some other device to hold the workpiece rigidly in position, and clear the path of the tool of obstructions.
5. **PROVIDE CLEARANCE** under workpiece for router bit when through-cutting.
6. **CHECK TO SEE THAT THE CORD** will not "hang up" during routing operation.
7. **CLEAR THE ROUTER BIT AREA** before starting motor.
8. **MAINTAIN FIRM GRIP** on router to resist starting torque.
9. **KEEP HANDS CLEAR OF BIT** when motor is running to prevent personal injury.
10. **KEEP CUTTING PRESSURE CONSTANT.** Do not overload motor.
11. **LET THE MOTOR COME TO A COMPLETE STOP** before putting the tool down.
12. **NEVER TOUCH** router bits after use. They may be extremely hot.
13. **NEVER TIGHTEN COLLET NUT** without a bit.
14. **DO NOT USE ROUTER BITS** with a diameter in excess of 2-1/2" at RPM above 13,000. Router bits up to 3-1/2" in diameter can be used when speed control is set for 13,000 RPM or less.
15. **ALWAYS KEEP CHIP SHIELD** clean and in place.
16. **AVOID "CLIMB-CUTTING"** (see "Using The Router" section in this manual). "Climb-cutting" increases the chance for loss of control resulting in possible personal injury.
17. **SOME WOOD CONTAINS PRESERVATIVES WHICH CAN BE TOXIC.** Take extra care to prevent inhalation and skin contact when working with these materials. Request, and follow, any safety information available from your material supplier.
18. **⚠ WARNING** There are certain applications for which this tool was designed. Porter-Cable strongly recommends that this tool NOT be modified and/or used for any application other than for which it was designed. If you have any questions relative to its application DO NOT use the tool until you have written Porter-Cable and we have advised you.

Technical Service Manager
Porter-Cable Corporation
4825 Highway 45 North
Jackson, TN 38305

SYMBOL	DEFINITION
V	volts
A	amperes
Hz	hertz
W	watts
kW	kilowatts
μF	microfarads
l	liters
kg	kilograms
N/cm ²	newtons per square centimeter
Pa	pascals
h	hours
min	minutes
s	seconds
	alternating current
3 	three-phase alternating current
3N 	three-phase alternating current with neutral
	direct current
n _o	no load
	alternating or direct current
	Class II Construction
	splash-proof construction
	watertight construction
.../min	revolutions or reciprocation per minute

REPLACEMENT PARTS

When servicing use only identical replacement parts.

MOTOR

Many Porter-Cable tools will operate on either D.C., or single phase 25 to 60 cycle A.C. current and voltage within plus or minus 5 percent of that shown on the specification plate on the tool. Several models, however, are designed for A.C. current only. Refer to the specification plate on your tool for proper voltage and current rating.

CAUTION

Do not operate your tool on a current on which the voltage is not within correct limits. Do not operate tools rated A.C. only on D.C. current. To do so may seriously damage the tool.

EXTENSION CORD SELECTION

If an extension cord is used, make sure the conductor size is large enough to prevent excessive voltage drop which will cause loss of power and possible motor damage. A table of recommended extension cord sizes will be found in this section. This table is based on limiting line voltage drop to 5 volts (10 volts for 230 volts) at 150% of rated amperes.

If an extension cord is to be used outdoors it must be marked with the suffix W-A or W following the cord type designation. For example – SJTW-A to indicate it is acceptable for outdoor use.

RECOMMENDED EXTENSION CORD SIZES FOR USE WITH PORTABLE ELECTRIC TOOLS

		Length of Cord in Feet								
		115V	25 Ft.	50 Ft.	100 Ft.	150 Ft.	200 Ft.	250 Ft.	300 Ft.	400 Ft.
		230V	50 Ft.	100 Ft.	200 Ft.	300 Ft.	400 Ft.	500 Ft.	600 Ft.	800 Ft.
Nameplate Ampere Rating	0-2		18	18	18	16	16	14	14	12
	2-3		18	18	16	14	14	12	12	10
	3-4		18	18	16	14	12	12	10	10
	4-5		18	18	14	12	12	10	10	8
	5-6		18	16	14	12	10	10	8	8
	6-8		18	16	12	10	10	8	6	6
	8-10		18	14	12	10	8	8	6	6
	10-12		16	14	10	8	8	6	6	4
	12-14		16	12	10	8	6	6	6	4
	14-16		16	12	10	8	6	6	4	4
	16-18		14	12	8	8	6	4	4	2
	18-20		14	12	8	6	6	4	4	2

FUNCTIONAL DESCRIPTION

FOREWORD

MODEL 8529's versatility - speed range of 10,000 to 23,000 RPM, collet sizes of $\frac{1}{4}$ ", $\frac{3}{8}$ " (optional) and $\frac{1}{2}$ ", dual plunge adjustments, and bit size up to $3\frac{1}{2}$ " diameter - allows it to handle the most demanding routing application.

ASSEMBLY

VACUUM HOSE

A dust-collector extension tube is furnished with this tool. This elbow-shaped extension (A) Fig. 1 should be placed on the dust port (B). A standard 1" vacuum hose can then be attached to this extension to connect the tool to a vacuum cleaner or dust collection system.

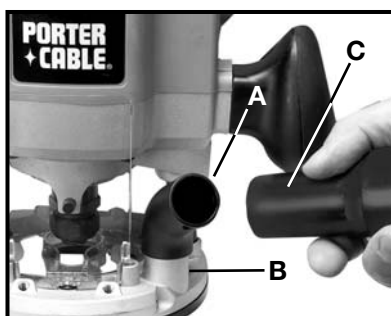


Fig. 1

TEMPLATE GUIDE INSERT & OPTIONAL TEMPLATE GUIDES

The template guide insert is included with the router for use with optional template guides. A wide variety of template guides is available from your Porter-Cable/Delta supplier for use in pattern and template routing operations.

⚠ WARNING DISCONNECT TOOL FROM POWER SOURCE.

1. Remove the chip deflector (A) Fig. 2, the three clear dust cover retaining screws (B) (slotted screw-driver or T20 torque wrench), and the clear dust cover (C) Fig. 2.
2. With the motor at its highest position, move the plunge locking lever (C) Fig. 8 to the free motion position by rotating it to the left (in the operating position) as far as it will go. The lever will lock into position.

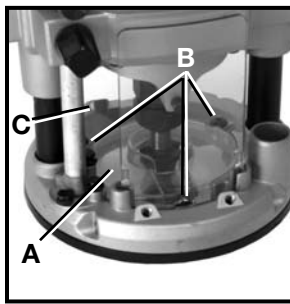


Fig. 2

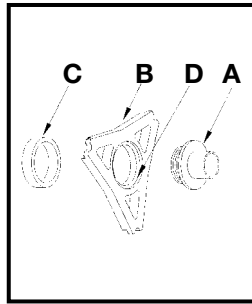


Fig. 3



Fig. 4

3. Insert the templet guide (A) Fig. 3 through the templet guide insert (B), and secure with a locknut (C). **NOTE:** Insert the templet guide through the side of the templet guide insert that has a recessed area (D) Fig. 3.

4. Turn the router upside down and stand it on the motor cap (Fig. 4).

5. Insert the templet guide insert into the center of the sub-base (Fig. 4).

6. Install the three screws provided (slotted screwdriver or T20 torque wrench) and tighten until they stop, then back out $\frac{1}{2}$ turn.

7. Push the base down until the templet guide centers itself on the collet nut (D) Fig. 8, and hold in this position (Fig. 4A).

8. Move the plunge locking lever (C) Fig. 8 to the lock position.

9. Tighten the three screws securely.

10. Push down on the base and move the plunge locking lever (C) Fig. 8 back to the free motion position.

11. Allow the base to slowly move up until it stops (Fig. 4).

12. Reinstall clear dust cover and chip deflector.

NOTE: To ensure the proper dust collection operation, install the dust cover with the slot (A) Fig. 6 in top of dust cover. Position it opposite the flat side (B) Fig. 6 on the base.

NOTE: See Fig. 5 for proper orientation of templet guides.

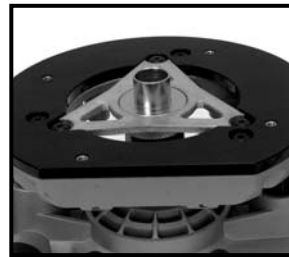


Fig. 4A

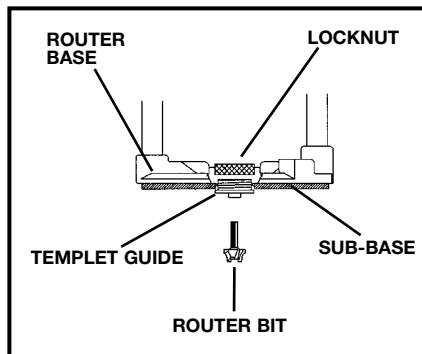


Fig. 5

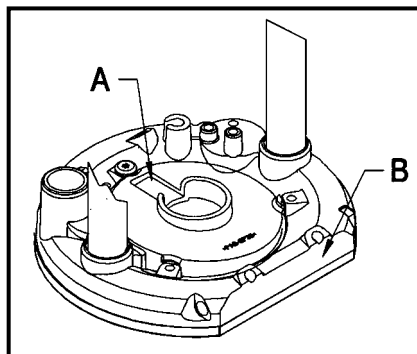


Fig. 6

OPERATION

SELECTING THE BIT

Model 8529 accommodates bits with $\frac{1}{4}$ " and $\frac{1}{2}$ " diameter shanks. A collet is also available that will accommodate bits with $\frac{3}{8}$ " diameter shanks.

⚠ WARNING **USE ROUTER BITS** with a larger diameter than $2\frac{1}{2}$ " **ONLY** when speed control is set between 10,000 and 13,000 RPM.

⚠ WARNING **DISCONNECT TOOL FROM POWER SOURCE** when preparing the router for use, making adjustments, and when router is not in use.

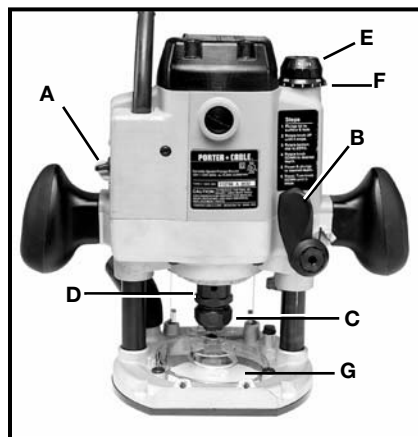


Fig. 8

- A On - Off Switch
- B Plunge Locking Lever
- C Collet Nut
- D Chuck
- E Micro Plunge Adjusting Knob
- F Micro Plunge Adjusting Ring
- G Clear Dust Cover

I

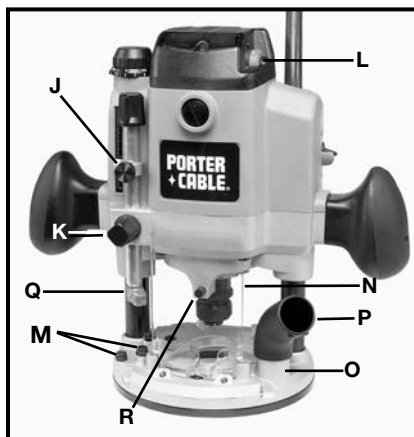


Fig. 9

- J Depth Indicator/Knob
- K Depth Rod Locking Knob
- L Speed Control Knob
- M Depth Stops
- N Chip Deflector
- O Dust Collector Inlet Tube
- P Dust Collector Extension Tube
- Q Depth Rod
- R Spindle Lock

INSTALLING AND REMOVING THE BIT

⚠ WARNING **DISCONNECT TOOL FROM POWER SOURCE.**

1. Remove chip deflector (N) Fig. 9.
2. If bit is too large to fit through the center hole of the dust cover (G) Fig. 8, remove the dust cover.
3. Turn the router upside down and stand it on the motor cap.
4. Clean and insert shank of bit into collet at least $\frac{3}{4}$ ". If shank "bottoms" in router, then back it out approximately $\frac{1}{16}$ " to allow proper tightening.
5. Engage spindle lock (R) Fig. 9 by pressing on it while turning chuck (D) Fig. 9 until it locks into place.

6. Tighten collet nut (D) Fig. 10 with wrench provided.

7. To remove bit, loosen collet nut. If bit does not remove easily, continue to loosen the collet nut until the nut forces the collet retaining ring to lift and free collet.

8. Reinstall the chip deflector.

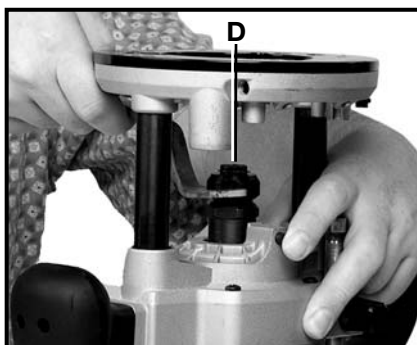


Fig. 10

ADJUSTING PLUNGE DEPTH

⚠ WARNING DISCONNECT TOOL FROM POWER SOURCE.

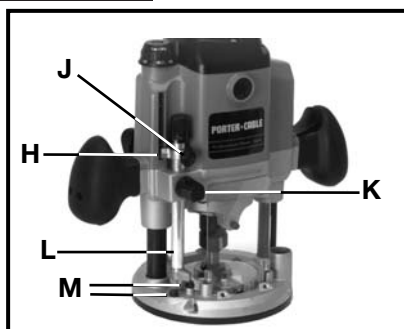


Fig. 11

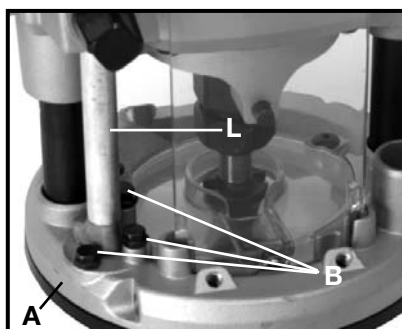


Fig. 12

1. Loosen depth rod locking knob (K) Fig. 11, and depth indicator knob, (J) Fig. 11, allowing the depth rod (L) Fig. 11 to contact one of the depth stops (M) Fig. 11.

Normally the deepest cut is set with the depth rod (L) Fig. 12 resting on the base casting (A) Fig. 12. Adjust the three adjustable stops (B) Fig. 12 to any desired height to allow stock removal in steps. This action will prevent overloading motor and/or the various depths that may be required for a particular job.



Fig. 13

2. Release the plunge mechanism by pulling the locking lever (B) Fig. 8 to the left and lower the plunge mechanism until the router bit just touches the work surface. Release the lever and push to the right to lock the mechanism in this position.

3. Tighten the depth rod locking knob (K) Fig. 11.

4. Position the depth indicator (J) Fig. 9 at "O" position and tighten knob.

5. Loosen the depth rod locking knob (K) Fig. 9, and raise the depth rod until the indicator aligns with the graduation representing the desired depth of plunge (The example in Fig. 13 shows the setting for 1" plunge). Tighten the depth rod locking knob.

MICRO PLUNGE ADJUSTMENT

Two separate uses for the micro plunge adjustment feature are:

1. Hand held plunge router. In this application, set the depth that the router will plunge. After making a test cut, increase or decrease the depth of plunge in very precise increments.
2. Shaper, mounted in a table. In this application, the micro-plunge adjusting knob can be used to make very small and precise adjustments to bit height.

For either application, set the micro-adjusting plunge mechanism to the neutral position by:

1. Moving the plunge locking lever (B) Fig. 8 to the free motion position by rotating it to the operator's left as far as it will go (the lever will lock into this position), and ensuring that a bit is not in the tool.
2. Move the motor up and down:
 - A. If the motor will not go all the way down to allow the collet to touch the work surface, the tool is in the micro-plunge adjusting mode. To return to the neutral position, push the motor down, and while maintaining pressure on the motor, turn the micro-plunge adjusting knob (E) Fig. 8 clockwise until the collet nut (D) Fig. 8 touches the surface of the work.
 - B. If the motor does not rise to the full height, the tool is in the shaper table adjusting mode. To return to the neutral position, turn the micro-plunge adjusting knob (E) Fig. 8 counterclockwise until the motor reaches its maximum height.

Always set the tool to the neutral position after each project is completed and before storing, so that it is ready to begin the next project.

NOTE: The maximum amount of plunge (maximum amount of motor travel) is approximately 2½". The micro adjusting plunge mechanism is in the neutral position when the motor will move up and down this amount (without a bit installed).

FOR USE AS HAND HELD ROUTER

⚠ WARNING DISCONNECT TOOL FROM POWER SOURCE.

1. Set the micro-plunge adjusting mechanism to the neutral position.
2. Move the plunge locking lever (B) Fig. 8 to the free motion position by rotating it to the operator's left until it locks.
3. Raise the depth rod (Q) Fig. 9 to its highest position.
4. Install the bit.
5. Plunge the router down by hand until the bit is flush with surface of the workpiece and hold firmly.
6. Turn the micro-plunge adjusting knob counterclockwise until resistance is felt (Fig. 14).



Fig. 14

NOTE: This may require 20 or more revolutions.

7. Release the router.
8. Hold the micro-plunge adjusting knob (E) Fig. 8 while turning the micro-plunge adjusting ring (F) Fig. 8 until the "0" lines up with reference mark (A) Fig. 15 on the motor housing.

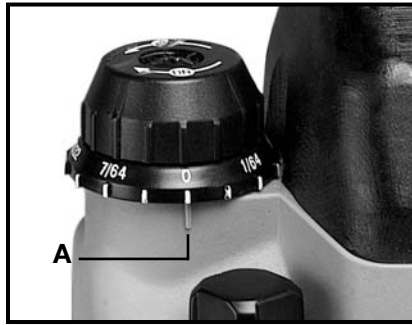


Fig. 15

NOTE: For every complete turn of the micro-plunge adjusting knob, the motor moves up or down $\frac{1}{8}$ ". The graduations on the micro-plunge adjusting ring are marked in $\frac{1}{32}$ " increments. To achieve a plunge of $\frac{1}{4}$ ", turn the micro-plunge adjusting knob 2 complete turns clockwise ($\frac{1}{8}$ " + $\frac{1}{8}$ " = $\frac{1}{4}$ "). To achieve a plunge of $\frac{5}{32}$ " turn the micro-plunge adjusting knob 1 complete turn and an additional quarter turn (one complete turn = $\frac{1}{8}$ " or $\frac{4}{32}$ " and $\frac{1}{4}$ turn = $\frac{1}{32}$ ").

NOTE: The micro-plunge adjusting ring will turn with the micro-plunge adjusting knob, so that the distance of bit travel is always known.

9. Turn the micro-plunge adjusting knob clockwise until the desired depth of plunge is set.
10. Set the plunge locking lever (C) Fig. 8 to the locked position after the plunge is adjusted and before the unit is turned "ON". Move the lever to the right as far as it will go.

NOTE: The depth rod and depth rod stops may be used in combination with the micro-plunge adjusting mechanism to allow stock removal in steps or to provide the various depths that may be required for a particular project.

FOR USE IN A SHAPER TABLE

⚠ WARNING DISCONNECT TOOL FROM POWER SOURCE.

1. Set the micro-plunge adjusting mechanism to the neutral position.
2. Move the plunge locking lever (B) Fig. 8 to the free motion position by rotating it to the left until it locks into position.
3. Remove the sub-base (Fig. 5) and clear dust cover (G) Fig. 8.
4. Ensure that the "ON-OFF" switch (I) Fig. 9 is in the off position.
5. Install the bit.
6. Attach the router to the table according to the table manufacturer's instructions.
7. The bit height can be adjusted using the micro plunge adjusting knob. To raise the bit, turn the micro-plunge adjusting knob (F) Fig. 8 clockwise. To lower the bit, turn the knob counterclockwise.
8. The plunge locking lever (C) Fig. 8 should be set to the locked position after the bit height is adjusted and before the unit is turned on. Move the lever to the right as far as it will go.

ADJUSTING PLUNGE LOCKING LEVER

The plunge locking mechanism may be adjusted to compensate for wear, or to reposition lever (in locked position). To adjust:

⚠ WARNING DISCONNECT TOOL FROM POWER SOURCE.

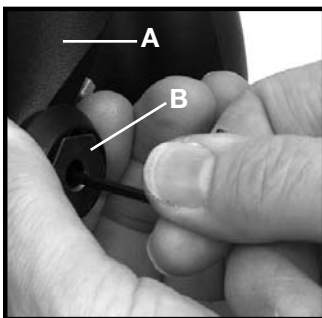


Fig. 16

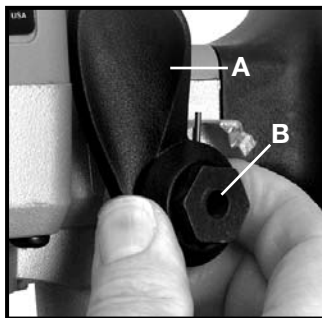


Fig. 17

1. Lock the plunge locking lever, (B) Fig. 8 by moving it to the operator's right as far as it will go.
2. Push in on the plunge locking lever (B) Fig. 8.
3. Move the plunge locking lever (B) Fig. 8 to the desired location and allow it to spring back into position.

Adjust the plunge locking mechanism in the following manner:

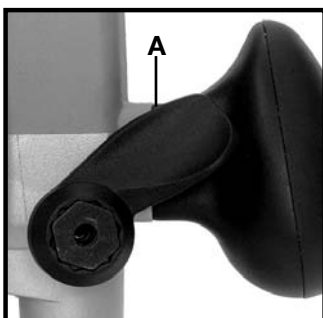


Fig. 18

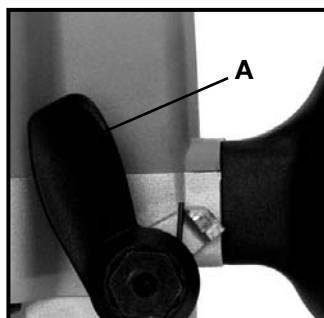


Fig. 19

1. Hold the plunge-locking lever (A) Fig. 16.
2. Insert $\frac{1}{8}$ " allen wrench (not furnished) through the center of the plunge-locking bolt (B) Fig. 16 into the adjustment screw, and turn counterclockwise approximately one turn.
3. Push in on the plunge-locking lever (A) Fig. 17 to expose the head of plunge-locking bolt (B) Fig. 17.
4. While holding plunge-locking lever in (A) Fig. 17, turn plunge-locking bolt (B) Fig. 17 clockwise to turn the plunge-locking bolt in or counterclockwise to turn the plunge-locking bolt out. Turn it one position at a time until proper adjustment is achieved. Proper adjustment is indicated when the plunge-locking lever (A) Figs. 18 and 19 can be locked into the free motion position (Fig. 18), and into the plunge-locked position (Fig. 19).
5. Move plunge locking lever (A) Figs. 18 and 19 to the center of those 2 positions. Insert the allen wrench through the center of the plunge locking bolt (B) Fig. 16 into adjustment screw. Turn clockwise to tighten.

USING THE OPTIONAL ABOVE-TABLE HEIGHT ADJUSTER

The Above-Table Height Adjuster is an accessory that allows the operator to raise or lower the router, mounted in a shaper table, without reaching under the table. To install the Height Adjuster, drill a hole in the table at the location indicated on the enclosed templet. Place the Height adjustor in the hole. The Height Adjuster shaft has a recessed hex that mates with a hex on the threaded shaft inside the left plunge post. To use, turn the knob clockwise to raise and counter-clockwise to lower. Each complete turn of the knob moves the motor 1/8".

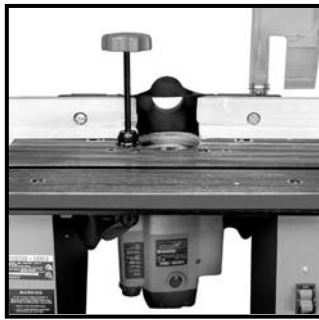


Fig. 20

The Height Adjuster can also be used for quick depth setting during normal routing when not using a table.

TO START AND STOP THE ROUTER

Make sure power circuit voltage is the same as that shown on the specification plate of the tool, and that the switch is "OFF". Connect the router to the power source.

1. Hold the tool in the operating position. Use the index finger on your right hand to raise the switch (A) Fig. 2 to the "ON" position. The tool will remain "ON" until you lower the switch (A).

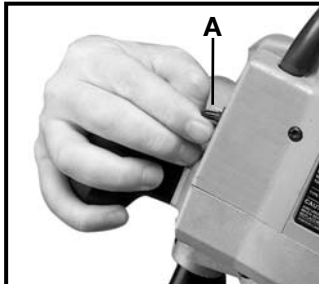


Fig. 21

VARIABLE SPEED CONTROL

This router is equipped with a variable speed control. The speed range is 10,000 to 23,000 RPM.

The speed is adjusted by turning the control knob (L) Fig. 9. The speed control knob is labeled 1 through 4. The slowest speed (1) is 10,000 RPM, and the highest speed (4) is 23,000 RPM. Setting 2 is approximately 14,000 RPM and setting 3 is approximately 18,000 RPM.

OVERLOAD PROTECTION

MODEL 8529 is equipped with a current sensing-type overload protector built into the variable speed control. This device will “trip” and turn the motor off if it experiences prolonged overloading. To restart the motor, move the “ON-OFF” switch to the “OFF” position, and then move it back to the “ON” position.

USING THE ROUTER

Periodically wipe columns clean with a dry cloth. **DO NOT** lubricate columns.

IMPORTANT Before using your router, consider the kind and total amount of material to be removed. Depending on the material, more than one cut may be necessary to avoid overloading the motor. Before beginning the cut on the actual workpiece, make a sample cut on a piece of scrap lumber to show exactly how the cut will look as well as allowing the dimensions to be checked.

CAUTION

When through-cutting, be sure there is clearance under workpiece for router bit.

CAUTION

Always be sure the work is rigidly clamped or otherwise secured before making a cut.

Generally speaking, when working on a bench, use clamps to hold the workpiece. When routing edges, hold the router firmly down and against the work by both handles.

Since the cutter rotates clockwise (when viewing router from top), more efficient cutting will be obtained if the router is moved from left to right as you stand facing the work. When working on the inside of a templet, move router in clockwise direction.

When working on the outside of a templet, move router in a counter-clockwise direction.

WARNING

Avoid “Climb-Cutting” (cutting in direction opposite that shown in Fig. 21). “Climb-Cutting” increases the chance for loss of control resulting in possible personal injury. When “Climb-Cutting” is required (backing around a corner), exercise extreme caution to maintain control of the router.

The speed and depth of cut will depend largely on the type of workpiece. Keep the cutting pressure constant but do not crowd the router so the motor speed slows excessively. More than one pass at various settings on hardwoods or problem materials may be necessary to get the desired depth of cut.

When making cuts on all four edges of the workpiece, make the first cut on the end of the piece across the grain. Thus, if chipping of wood occurs at the end of a cut, it will be removed when making the next cut parallel with the grain.

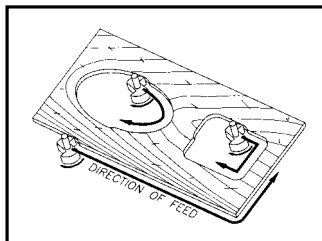


Fig. 22

MAINTENANCE

KEEP TOOL CLEAN

Periodically blow out all air passages with dry compressed air. All plastic parts should be cleaned with a soft damp cloth. NEVER use solvents to clean plastic parts. They could possibly dissolve or otherwise damage the material.

⚠ WARNING Wear safety glasses while using compressed air.

FAILURE TO START

Should your tool fail to start, check to make sure the prongs on the cord plug are making good contact in the outlet. Also, check for blown fuses or open circuit breakers in the line.

LUBRICATION

This tool has been lubricated with a sufficient amount of high grade lubricant for the life of the unit under normal operating conditions. No further lubrication is necessary.

BRUSH INSPECTION AND LUBRICATION

For your continued safety and electrical protection, brush inspection and replacement on this tool should ONLY be performed by an AUTHORIZED PORTER-CABLE SERVICE STATION or a PORTER-CABLE•DELTA FACTORY SERVICE CENTER.

At approximately 100 hours of use, take or send your tool to your nearest authorized Porter-Cable Service Station to be thoroughly cleaned and inspected. Have worn parts replaced and lubricate with fresh lubricant. Have new brushes installed, and test the tool for performance.

Any loss of power before the above maintenance check may indicate the need for immediate servicing of your tool. DO NOT CONTINUE TO OPERATE TOOL UNDER THIS CONDITION. If proper operating voltage is present, return your tool to the service station for immediate service.

SERVICE AND REPAIRS

All quality tools will eventually require servicing or replacement of parts due to wear from normal use. These operations, including brush inspection and replacement, should ONLY be performed by either an AUTHORIZED PORTER-CABLE SERVICE STATION or a PORTER-CABLE•DELTA FACTORY SERVICE CENTER. All repairs made by these agencies are fully guaranteed against defective material and workmanship. We cannot guarantee repairs made or attempted by anyone other than these agencies.

Should you have any questions about your tool, feel free to write us at any time. In any communications, please give all information shown on the nameplate of your tool (model number, type, serial number, etc.).

ACCESSORIES

A complete line of accessories is available from your Porter-Cable•Delta Supplier, Porter-Cable•Delta Factory Service Centers, and Porter-Cable Authorized Service Stations. Please visit our Web Site www.porter-cable.com for a catalog or for the name of your nearest supplier.

⚠ WARNING

Since accessories other than those offered by Porter-Cable •Delta have not been tested with this product, use of such accessories could be hazardous. For safest operation, only Porter-Cable•Delta recommended accessories should be used with this product.

PORTER-CABLE LIMITED ONE YEAR WARRANTY

Porter-Cable warrants its Professional Power Tools for a period of one year from the date of original purchase. We will repair or replace at our option, any part or parts of the product and accessories covered under this warranty which, after examination, proves to be defective in workmanship or material during the warranty period. For repair or replacement return the complete tool or accessory, transportation prepaid, to your nearest Porter-Cable Service Center or Authorized Service Station. Proof of purchase may be required. This warranty does not apply to repair or replacement required due to misuse, abuse, normal wear and tear or repairs attempted or made by other than our Service Centers or Authorized Service Stations.

ANY IMPLIED WARRANTY, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WILL LAST ONLY FOR ONE (1) YEAR FROM THE DATE OF PURCHASE.

To obtain information on warranty performance please write to: PORTER-CABLE CORPORATION, 4825 Highway 45 North, Jackson, Tennessee 38305; Attention: Product Service. THE FOREGOING OBLIGATION IS PORTER-CABLE'S SOLE LIABILITY UNDER THIS OR ANY IMPLIED WARRANTY AND UNDER NO CIRCUMSTANCES SHALL PORTER-CABLE BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES. Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

This warranty gives you specific legal rights and you may also have other legal rights which vary from state to state.

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(Locations où vous trouverez les pièces de rechange nécessaires ainsi qu'un service d'entretien)

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